FOLDED FABRIC SWITCHING ARCHITECTURE

ABSTRACT OF THE INVENTION

An optimal printed circuit board input/output switching system is provided and includes a printed circuit board having multiple input/output ports with communication channels coupling the input/output ports to a switching fabric located thereon. Two printed circuit boards may be connected with a board connector for providing switching between input/output ports of the printed circuit boards in a dual-board switching system. The switching fabrics of each printed circuit board can function as an aggregate switching fabric to provide communication channel switching between the input/output ports of the two printed circuit boards. A dual-board switching system may include a single printed circuit board having the switching fabric located thereon. A board connector facilitates modification of the switching configuration. Connection of the two circuit boards provides a coplanar arrangement of the input/output ports of the printed circuit boards providing access thereto from a common plane of a switching system chassis.